

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3116	29/592.1,595,603.08.603.18,852,885.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:00
S2	15	sonic\$4 near (etch\$3 or ablat\$3)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:11
S3	3	(sonic\$4 near (etch\$3 or ablat\$3)) with (insulat\$3 or dielect\$3)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:48
S4	5	("4762594"   "4963245"   "5120421"   "5403451"   "5635054").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 08:05
S5	7	("5635054").URPN.	USPAT	OR	ON	2005/10/31 08:07
S6	23	("3854193"   "3855099"   "3904487"   "3914509"   "4003705"   "4062750"   "4090926"   "4115209"   "4214968"   "4233031"   "4450842"   "4545382"   "4661210"   "4695555"   "4786373"   "4804443"   "4865992"   "5019515"   "5120421"   "5131999"   "5192416"   "5290420"   "5292423").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/31 08:07
S7	401	\$5sonic\$4 near (etch\$3 or ablat\$3)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:12
S9	8139	(fill\$3 or apply\$3 or form\$3) near (metal or conduct\$3) near (hole or pore or via)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:28
S10	2	S7 and S9	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:13
S11	40	sensor with ((fill\$3 or apply\$3 or form\$3) near (metal or conduct\$3) near (hole or pore or via))	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:16
S12	2345	measur\$3 near analyte	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:17
S13	178	measur\$3 near analyte with solution	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:24
S14	51	measur\$3 near analyte near solution	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:23

## EAST Search History

S15	1	sensor near measur\$3 near analyte near solution	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:18
S16	2	sensor with (measur\$3 near analyte near solution)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:20
S17	4	sensor same (measur\$3 near analyte near solution)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:21
S18	0	S9 and S13	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:21
S19	527	427/2.11-2.13.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:21
S20	1758	204/400,403,406.ccls.	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:21
S21	2309	216/13,18.ccls.	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:58
S22	0	S9 and S19	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:22
S23	5	S9 and S20	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:22
S24	5	sensor near analyte near solution	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:23
S25	323	sensor with measur\$3 near analyte	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:24
S26	323	sensor with (measur\$3 near analyte)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:25
S27	0	S1 and S26	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:25
S28	2	S9 and S26	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:25
S30	2	((fill\$3 or apply\$3 or form\$3) near (metal or conduct\$3) near (hole or pore or via)) same (array near electrode)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:32

## EAST Search History

S31	6	treat\$3 near (metal or conduct\$3) near ((chemical near solution) or thiol)	USPAT; JPO; DERWENT	OR	ON	2005/10/31 10:27
S32	36271	sensor with sensitivity	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:49
S33	35	sensor with sensitivity with versatility	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:49
S34	1	sensor with sensitivity with versatility with metal	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:50
S35	0	sensitivity near versatility near metal	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:50
S36	5	sensitivity with versatility with metal	USPAT; JPO; DERWENT	OR	ON	2005/10/31 08:50
S37	0	salzer-corey-a.in.	USPAT; JPO; DERWENT	OR	ON	2005/10/31 09:25
S38	0	salzer-corey.in.	USPAT; JPO; DERWENT	OR	ON	2005/10/31 09:25
S39	0	salzer-corey.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/10/31 09:25
S40	1	salzer-corey-a.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/10/31 09:25
S41	63849	treat\$3 near metal or thiol	USPAT; JPO; DERWENT	OR	ON	2005/10/31 10:27
S42	2	treat\$3 near metal near thiol	USPAT; JPO; DERWENT	OR	ON	2005/10/31 10:28
S43	19	treat\$3 near metal with thiol	USPAT; JPO; DERWENT	OR	ON	2005/10/31 10:28
S44	28	(conduct\$3 near organic near polymer) near metal\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 07:03
S45	306	(conduct\$3 near organic near polymer) with metal\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 07:03

## EAST Search History

S46	42	(conduct\$3 near organic near polymer) with contain\$3 with metal\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/16 07:03
S47	3552	(conduct\$3 near paste) with (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 06:46
S48	3220	29/592.1,595,603.08.603.18,852,885.ccls.	USPAT; JPO; DERWENT	OR	ON	2006/07/27 06:46
S49	3552	S47 and S48(conduct\$3 near paste) with (insulat\$3 or dielectric)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 06:47
S50	65	S47 and S48	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 06:47
S51	45356	(hole or via or trench\$2) with (fill\$3) with (metal\$3 or conduct\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 06:47
S52	42	S50 and S51	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 06:48
S53	676	S47 same S51	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 06:48
S54	33	S52 and S53	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 06:48
S55	18	(\$5sonic\$4 near (etch\$3 or ablat\$3)) with (hole or pore)	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:20
S56	58810	(plurality or array) near (hole or pore)	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:23
S57	1297	S51 and S56	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:20
S58	32	S47 and S57	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:21
S59	139	(plurality or array) near (hole or pore) near (insulat\$3 or dielectric)	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:23
S60	224	(plurality or array) near (hole or pore or via) near (insulat\$3 or dielectric)	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:24

## EAST Search History

S61	98	((plurality or array) near (hole or pore or via) near (insulat\$3 or dielectric)) with (conduct\$3 or metal\$3 or pad)	USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:24
S62	3	(US-4806188-\$ or US-4799984-\$). did. or (US-20050032253-\$).did.	USPAT; DERWENT	OR	ON	2006/07/27 07:35
S63	7	("3770529"   "4465727"   "4504339"   "4645552"   "4649125"   "4654095"   "4655864").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/27 07:35
S64	35	("4806188").URPN.	USPAT	OR	ON	2006/07/27 07:39
S65	4	((("5315145") or ("5844300") or ("6300756") or ("6771092")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/07/27 07:54
S66	24	sonic\$3 near (etch\$3 or ablat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/27 07:55
S67	1	S66 and 216/13,18.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/07/27 07:58